What is claimed:

1. A system for manufacturing a product by bending a sheet material using a bending machine, comprising:

a three-dimensional stereoscopic diagram creator that creates a three-dimensional stereoscopic diagram including a desired bending angle and a desired flange width based on graphic information of a product;

a displayer that displays any of at least one bending angle value in the vicinity of at least one bending angle and at least one dimension value in the vicinity of at least one flange in the created three-dimensional stereoscopic diagram;

a test piece displayer that displays a test piece of a material proposed for use in the product and any of the at least one bending angle value in the vicinity of the at least one bending angle and the at least one dimension value in the vicinity of the at least one flange of the test piece;

a measuring device for measuring any of the at least one bending angle value and the at least one dimension value for the test piece bent by the bending machine; and

a calculator that calculates one of a stroke value using a difference between the desired bending angle and the measured bending angle and a back gauge value using

a difference between the desired flange dimension and the measured flange dimension.

2. A bending system according to claim 1, wherein the calculator further calculates one of the stroke value and the back gauge value using attributes including at least one of a material attribute, a processing attribute, and an environment attribute.